

Doe laser, red, 635 nm, 0.75 mW

DOE218-635-1-6(10x22)-F1100
Order Number: 70128970

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Diode Power	0.5	0.75	1	mW
Operating Voltage	3	6	6	V DC
Operating Current	15	30	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime >3,000 h
RoHS yes

Optical Parameters

Beam Shape	DOE
Laser Class	1
Divergence	G - 0.8 mrad
Line Thickness	<1mm@1100mm
Operating Distance	0.11 m
Optics	acryl lense
Laser technology	Single Mode Diode
Focus	fixed (1100mm)

Electrical Parameters

Potential of Housing VDD(+)

Mechanical Parameters

Size	Ø10x22 mm
Material	Brass
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	3 mm
Weight	8.5 g

DOE

Alpha	14.9°
a	26 mm
Diameter (without holder)	8 mm
Width (without Holder)	1.2 mm
Material	PC

(*) Over the complete operating temperature range

Features



- DOE optimized
- Laserclass depends on DOE
- Compact size
- Wide operating voltage
- Low cost

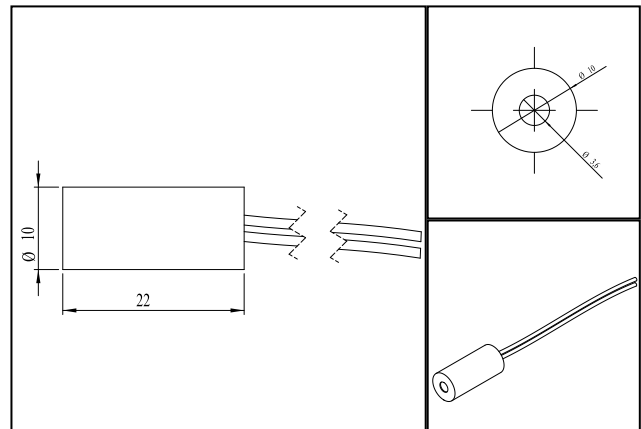
Picture



Cable color

Ground  black GND
Positive  red 3 - 6, typ 6 V DC

Drawing



Safety Label



Valid Revision

| 31-MAY-2023